

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A light generating device comprising:
a blue light emitting device; and,
an epoxy placed over the light emitting device, the epoxy including:
a first type of phosphor, and
a second type of phosphor;

wherein the first type of phosphor, when excited, emits one of green light
and red light~~of a first color; and,~~

wherein the second type of phosphor, when excited, emits yellow light ~~of~~
~~a second color; and,~~

~~wherein the first color and the second color are different.~~

2. (Canceled)

3. (Original) A light generating device as in claim 1:

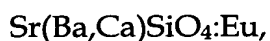
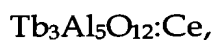
wherein the light emitting device is a blue light emitting diode;

wherein the first type of phosphor is one of the following:

Strontium Thiogallate:Europium, having a chemical formula of
 $\text{SrGa}_2\text{S}_4:\text{Eu}$,

a thiogallate phosphor that is a mix group II alkaline metal
thiogallate phosphor $(\text{Sr,Ca,Ba})(\text{Al,Ga})_2\text{S}_4:\text{Eu}$; $\text{BaSrGa}_4\text{S}_7:\text{Eu}$; and,

wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:



4. (Original) A light generating device as in claim 1 additionally comprises one of the following:

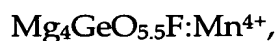
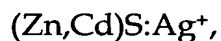
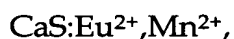
a mold compound covering the epoxy;

an optical dome covering the epoxy.

5. (Currently Amended) A light generating device as in claim 1 wherein the first type of phosphor is a red phosphor, ~~and wherein the second type of phosphor is a yellow phosphor.~~

6. (Original) A light generating device as in claim 1:

wherein the first type of phosphor is a red phosphor having one of the following chemical formulas:



ZnSe:Cu, Cl,

ZnSe_{1/2}S_{1/2}:Cu,Cl,

BaSi₇N₁₀:Eu²⁺,

(Ca,Sr,Ba)Si₅N₈:Eu²⁺; and,

wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:

Tb₃Al₅O₁₂:Ce,

Sr(Ba,Ca)SiO₄:Eu,

YAG:Ce.

7. (Original) A light generating device as in claim 1 additionally comprising:

a second light emitting device; and,

a second epoxy placed over the second light emitting device, the second epoxy including:

the first type of phosphor, and

the second type of phosphor.

8. (Original) A light generating device as in claim 1 additionally comprising:

a second light emitting device;

a second epoxy placed over the second light emitting device, the second epoxy including:

the first type of phosphor, and
the second type of phosphor;
a third light emitting device; and,
a third epoxy placed over the third light emitting device, the third epoxy
including:

the first type of phosphor, and
the second type of phosphor.

9. (Original) A light generating device as in claim 1, wherein the light
emitting device is mounted on one of the following:

a printed circuit board;
a lead frame.

10. (Original) A light generating device as in claim 1, wherein the light
emitting device is mounted within a printed circuit board substrate.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently Amended) A light generating device comprising:

~~an~~-emitting means for emitting blue light; and,

~~an~~-holding means for holding a first type of phosphor and a second type of phosphor adjacent to the emitting means;

wherein the first type of phosphor, when excited, emits either green light or red ~~light of a first color; and,~~

wherein the second type of phosphor, when excited, emits yellow ~~light of a second color; and,~~

~~wherein the first color and the second color are different.~~

15. (Canceled)

16. (Original) A light generating device as in claim 14:

wherein the emitting means is a blue light emitting diode;

wherein the first type of phosphor is one of the following:

Strontium Thiogallate:Europium, having a chemical formula of $\text{SrGa}_2\text{S}_4:\text{Eu}$;

a thiogallate phosphor that is a mix group II alkaline metal thiogallate phosphor $(\text{Sr,Ca,Ba})(\text{Al,Ga})_2\text{S}_4:\text{Eu}$; $\text{BaSrGa}_4\text{S}_7:\text{Eu}$; and,

wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:

$\text{Tb}_3\text{Al}_5\text{O}_{12}:\text{Ce}$,

$\text{Sr}(\text{Ba,Ca})\text{SiO}_4:\text{Eu}$,

$\text{YAG}:\text{Ce}$.

17. (Original) A light generating device as in claim 16 wherein the first type of phosphor is a red phosphor, and wherein the second type of phosphor is a yellow phosphor.

18. (Original) A light generating device as in claim 16:
wherein the first type of phosphor is a red phosphor having one of the following chemical formulas:

CaS:Eu²⁺,Mn²⁺,
SrS:Eu²⁺,
(Zn,Cd)S:Ag⁺,
Mg₄GeO_{5.5}F:Mn⁴⁺,
ZnS: Cu⁺,
ZnSe:Cu, Cl
ZnSe_{1/2}S_{1/2}:Cu,Cl,
BaSi₇N₁₀:Eu²⁺,
(Ca,Sr,Ba)Si₅N₈:Eu²⁺; and,

wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:

Tb₃Al₅O₁₂:Ce,
Sr(Ba,Ca)SiO₄:Eu,
YAG:Ce.

19. (Original) A light generating device as in claim 14, wherein the emitting means is mounted on one of the following:

a printed circuit board;

a lead frame.

20. (Original) A light generating device as in claim 14, wherein the emitting means is mounted within a printed circuit board substrate.